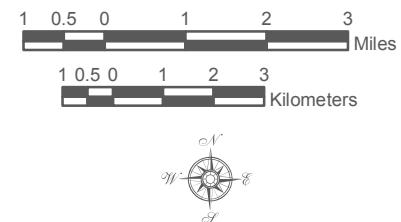


Modified from -- McCormick, K.A., and Hammond, R.H., 2004,
Geology of Lincoln and Union Counties, South Dakota:
South Dakota Geological Survey Bulletin 39.

Map of bedrock geology in the area of the proposed Hyperion Energy Center



Area rezoned for the proposed Hyperion Energy Center



Carlile Shale - A greasy, dark-gray, concretionary shale; the lower part can be calcareous with numerous thin, silty beds; the upper part is non calcareous and organic-rich with occasional thin sandstone and siltstone lenses.



Greenhorn Limestone - Interbedded gray, silty, calcareous shale, calcarenite, and hard skeletal limestone.



Granerous Shale - Gray-brown, waxy to gritty, slightly calcareous shale.



Dakota Formation - Interbedded shale, siltstone, and sandstone with minor coal seams.



Contour line - connecting points of equal elevation on the bedrock surface. Contour interval = 50 feet.